

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 79-38

NPDES NO. CA0038148

WASTE DISCHARGE REQUIREMENTS FOR:

CITY OF MARTINEZ  
WATER TREATMENT PLANT  
MARTINEZ, CONTRA COSTA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. The City of Martinez, hereinafter called the discharger, submitted a report of waste discharge (National Pollutant Discharge Elimination System Application for Permit to Discharge--Short Form C) dated December 18, 1978.
2. The discharger treats about four million gallons per day (mgd) of municipal water by coagulation, clarification, and filtration. Sludge is gravity thickened and then discharged to evaporation ponds. During wet weather, the ponds may become full, necessitating discharge of ponded rainwater in order to facilitate sludge drying. The discharge would occur several times a year at a maximum daily rate of .04 mgd via overflow weirs into a buried drain pipe which empties into an unnamed watercourse at a point in the Shell Oil Company's Martinez Refinery, about 2500 feet east from its Pacheco Gate No. 2. The watercourse is tributary to Carquinez Strait, a water of the United States near Bulls Head. (Waste 001)
3. On December 6, 1974, the Board adopted Order No. 74-179 prescribing waste discharge requirements for City of Martinez water treatment plant.
4. A Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) was adopted by the Board on April 8, 1975. This Basin Plan contains water quality objectives for Carquinez Strait and contiguous waters.
5. The beneficial uses of Carquinez Strait and contiguous waters are:
  - a. Recreation (contact and non-contact).
  - b. Fish migration and spawning.
  - c. Habitat for wildlife and estuarine organisms including some rare and endangered species.
  - d. Industrial water supply.
  - e. Esthetic enjoyment.
  - f. Navigation.
  - g. Commercial and sport fishing.

6. Effluent limitations and toxic effluent standards, established pursuant to Sections 208(b), 301, 304, and 307 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.
7. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21000) of Division 13 of Public Resources Code in accordance with Water Code Section 13389.
8. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
9. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that the City of Martinez, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Discharge Prohibitions

1. Discharge of waste to the watercourse tributary to Carquinez Straits is prohibited between May 1 and September 30 of each year.
2. Discharge in excess of .04 mgd at any time between October 1 and April 30 of each year is prohibited.
3. No sludge shall be discharged into watercourses or waters of the State.
4. There shall be no bypass of untreated wastewater to waters of the State.

B. Effluent Limitations

1. The discharge of waste containing constituents in excess of the following limits is prohibited:

<u>Constituent</u>	<u>Units</u>	<u>30-Day Average</u>	<u>Maximum Daily</u>
Aluminum dissolved	kg/day mg/l	0.151 1.0	.227 1.5
Total suspended solids	kg/day mg/l	4.53 30	6.80 45

<u>Constituent</u>	<u>Units</u>	<u>30-Day Average</u>	<u>Maximum Daily</u>
Chlorine residual	mg/l	--	0.0
Settleable matter	ml/l/hr	--	.5

2. The discharge shall not have pH of less than 6.5 nor greater than 8.5.

C. Receiving Water Limitations

1. The discharge of waste shall not cause the following conditions to exist in waters of the state at any place.
  - a. Floating, suspended, or deposited macroscopic particulate matter or foam;
  - b. Bottom deposits or aquatic growths;
  - c. Alteration of temperature, turbidity, or apparent color beyond present natural background levels;
  - d. Visible, floating, suspended, or deposited oil or other products of petroleum origin;
  - e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.
2. The discharge of waste shall not cause the following limits to be exceeded in waters of the State in any place within one foot of the water surface:
  - a. Dissolved oxygen    7.0 mg/l minimum - annual median not less than 80% saturation. When natural factors cause lesser concentration than specified above, then discharge shall not cause further reduction in the concentration of dissolved oxygen.
  - b. Dissolved sulfide    0.1 mg/l maximum;
  - c. pH                    Variation from natural ambient pH by more than 0.2 pH units;

D. Provisions

1. Neither the treatment nor the discharge of pollutants shall create a nuisance as defined in the California Water Code.

2. This permit may be modified, or, alternatively, revoked and reissued, to comply with any applicable effluent limitation issued pursuant to the order the United States District Court for the District of Columbia issued on June 8, 1976, in Natural Resources Defense Council, Inc. et. al. v. Russel E. Train, 8 ERC 2120 (D.D.C. 1976), if the effluent limitation so issued:
  - (a) is different in conditions or more stringent than any effluent limitation in the permit; or
  - (b) controls any pollutant not limited in the permit.
3. This Board's Order No. 74-179 is hereby rescinded.
4. The discharger shall immediately comply with all terms of this Order.
5. The discharger shall comply with the attached Self-Monitoring and Reporting Program as ordered by the Executive Officer.
6. The discharger shall comply with all items of the attached "Standard Provisions and Reporting Requirements", dated April 1977, except A-16.
7. This Order expires on April 17, 1983. The discharger must file a report of waste discharge in accordance with Title 23, Chapter 3, Subchapter 9, of the California Administrative Code not later than 180 days in advance of such expiration date as application for issuance of new waste discharge requirements.
8. This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act or amendments thereto, and shall become effective ten (10) days after date of its adoption provided the Regional Administrator, Environmental Protection Agency has no objection. If the Regional Administrator objects to its issuance, the permit shall not become effective until such objection is withdrawn.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on April 17, 1979.

FRED H. DIERKER  
Executive Officer

Attachments:

Self-Monitoring Program  
Standard Provisions & Reporting  
Requirements - April 1977